(1) GENERAL INFORMATION:

- (i) APPLICANTS: Stockert, Elisabeth; Jager, Elke; Chen, Yao Tseng; Scanlan, Matthew; Knuth, Alexander; Old, Lloyd J.
- (ii) TITLE OF INVENTION: ANTIBODIES WHICH BIND TO NY-ESO-1 CANCER ASSOCIATED PROTEINS, USES THEREOF, TRUNCATED FORMS OF NY-ESO-1, AND HLA BINDING PEPTIDES DERIVED THEREFROM
- (iii) NUMBER OF SEQUENCES: 7
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Felfe & Lynch
 - (B) STREET: \$05 Third Avenue
 - (C) CITY: New York City
 - (D) STATE: New York
 - (E) USA
 - (F) ZIP: 10022
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage
 - (B) COMPUTER: IBM
 - (C) OPERATING SYSTEM: PC-DOS
 - (D) SOFTWARE: WordPerfect
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION NATA:
 - (A) APPLICATION NUMBER: 08/937,263
 - (B) FILING DATE: September 15, 1997
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/752,182
 - (B) FILING DATE: 03-October-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Hanson, Norman D.
 - (B) REGISTRATION NUMBER: 30,946
 - (C) REFERENCE/DOCKET NUMBER: LUD 5466.3
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (212) 688-9200
 - (B) TELEFAX: (212) 838-3884







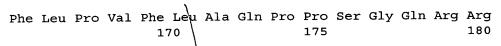
(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 752 base pairs
 (B) TYPE: nuclear acid
- (C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE PESCRIPTION: SEQ ID NO: 1:

		(x	:i) S	SEQUE	ENCE	PESC	RIPT	: NOI	SEÇ	OID	NO:	1:				
	ATCC	TCGT	rgg c	CCC1	rgaco	т	тстс	TGAG	B AGO	CGGG	CAG	AGGC	TCCG	GA C	BCC	53
										GGT Gly 10						98
						Pro				GAT Asp 25						143
						Glu				ACG Thr 40						188
						Ala				GGG Gly 55						233
						Gly				TCA Ser 70						278
						Arg				AGC Ser 80						323
						Phe				ATG Met						368
)					Ala					COG Pro	Leu					413
,					Glu					GGC Gly 130						458
					Ala					CTG Leu 145						503
					Gln					ATG Met 160						548
	TTT	CTG	ccc	GTG	TTT	TTG	GCT	CAG	CCT	CCC	TCA	eec	CAG	AGG	CGC	593



TAA GCCCAGCCTG GC	CCCCTTC CTAGGI	CATG CCTCCTC	CCCC TAGGGAZ	ATGG	646
TCCCAGCACG AGTGGC	CAGT TOATTGTGGG	GGCCTGATTG	TTTGTCGCTG	GAGGAGGACG	706
GCTTACATGT TTGTTT	CTGT AGAAAATAAA	ACTGAGCTAC	GAAAAA		752

- (2) INFORMATION FOR SEQ ID NO: 2:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 31 base pairs
 - (B) TYPE: nuclear acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: 1 inear
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CACACAGGAT CCATGGATGC TGCAGATGCG G

31

- (2) INFORMATION FOR SEQ ID NO: 3:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nuclear acid
 - (C) STRANDEDNESS: \single
 - (D) TOPOLOGY: linear
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CACACAAAGC TTGGCTTAGC GCCTCTGCCG TG

32

- (2) INFORMATION FOR SEQ ID NO: 4:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 11 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu
5

(2) INFORMATION FOR SEQ ID NO: 5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9 amino acids
 - (B) TYPE: amino acid

(2)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Ser Leu Leu Met Trp Ile Thr Gln Cys

- (2) INFORMATION FOR SEQ ID NO: 6:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 9 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Gln Leu Ser Leu Leu Met Trp Ile Thr

5

(2) INFORMATION FOR SEQ ID NO: 7:

- (i) SEQUENCE CHARA TERISTICS:
 - (A) LENGTH: 6 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: |linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Leu Leu Met Trp Ile Thr

5